WHAT'S INSIDE?

INTERNATIONAL DUAL DEGREE, SMART CITIES, GREEN BUILDING, STRIDES TOWARD CURING CANCER

SMART CITIES & TRANSPORTATION

5.4.14 CHRISTOS CASSANDRAS 2013. To achieve the realization of urban, AMO, prototypes and self-driving cars.

5.5.1 C. CASSANDRAS (ECE, SE) and CHRISTOPHER L. DEBELS. Building info-data vehicle routing to indoor traffic congestion.

HEALTHCARE

5.5.1 MARK SHIPA (ECE, SE) develops tools for early lung cancer diagnosis and establishes software and hardware protocols.

5.6.1 JOANNES PASCHALIDIS (ECE, BME, SE) develops a system to predict the rise of heart disease and diabetes.

5.5.1 SANDOR VALASZ (BME, CIVIL, SE) introduces Outfit 3D, a wholly new tool for prosthetic printing.

5.6.1 ERIC KOSZLICKY SMITH (BME, SE) develops a novel intervention therapy.

ROBOTICS

5.4.1 CALVIN S. KOON (ME, ECE, SE) directs teams of robots to survey areas and locate vehicles, buildings, and debris.

5.5.1 ROBERT O. WOHN (ME, SE) is developing disaster relief technology to assist victims and rescue.

ENERGY

5.1.1 JANIK ROHRADE (EE, CIVIL, SE). Comparing a novel technique to traditional methods for the minimization of HVAC systems.

5.2.1 MICHAEL CARUSANO (ME) explores a way to harness the power market for new customer participation and electrical network marginal pricing.

PLUS:

GREEN BUILDINGS, STREES TOWARDS CURING CANCER

TOP ROBOTICS

AS RECOGNIZED BY ANALYTICS INSIGHT!

The robotics program was singled out by Analytics Insights for a comprehensive approach to education. Many of the largest, most expensive universities in the country—including Georgia Institute and Massachusetts Institute of Technology—have yet to develop autonomous robot systems. Boston University takes a unique approach to the field by focusing on robotics teams as cooperative dynamic systems.
RESEARCH IN ACTION

THE CENTER FOR INFORMATION & SYSTEMS ENGINEERING (CISE) is the Division of Systems Engineering's research component. The center is focused on developing and disseminating interdisciplinary research in the study and design of intelligent systems with 40 faculty affiliates across 10 departments. CISE research spans four core areas: control, decision sciences, transportation, energy, and national security.

STUDENT POPULATION

ACADEMICS

PH-D STUDENTS ARE GUARANTEED FUNDING for up to five years subject to satisfactory academic performance.

49% FEMALE STUDENTS: While the national average of female engineering students is 24%, at CISE, 49% of systems engineering students are women.

FUNDING OPTIONS: The National Science Foundation Graduate Research Fellowship (NSF GRF) and the Barrett Honors College Graduate Council of Graduate Schools, 2016.

INTERDISCIPLINARY RESEARCH

- Automation, Robotics & Control
- Communications & Networking
- Computational Biology
- Information Sciences
- Production, Services & Energy Systems

GLOBAL PRESENCE

Last year, a dual degree program with Boston College University and Tsinghua University in Beijing was launched. The engineering program at Tsinghua University is one of the top worldwide.

STUDENT POPULATION

I’VE ALWAYS BEEN INTERESTED IN HELPING MY COMMUNITY

SYSTEMS ENGINEERING ALUMNI

Dr. Thomas Young is a highly-regarded Washington State Representative, advancing policies to benefit the community. After college, Young worked with corporations to maximize their operating systems for results that benefited the companies' bottom line and the health of the community in which it is located.

World peace diversity is government affairs and policy.

Another World is offering a distinct perspective to the House which is critical to our survival.

With so many local and state policies, especially concerning the technical aspects with so many policies.

MORE: IUSC.CI.E.S@G.MAIL.COM ALUMNIUS